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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/359,648	07/26/1999	KIRK K. CHANG	2925-253P	3108

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EXAMINER

CUMMING, WILLIAM D

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 02/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/359,648

Applicant(s)

CHANG ET AL.

Examiner

WILLIAM D. CUMMING

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 December 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

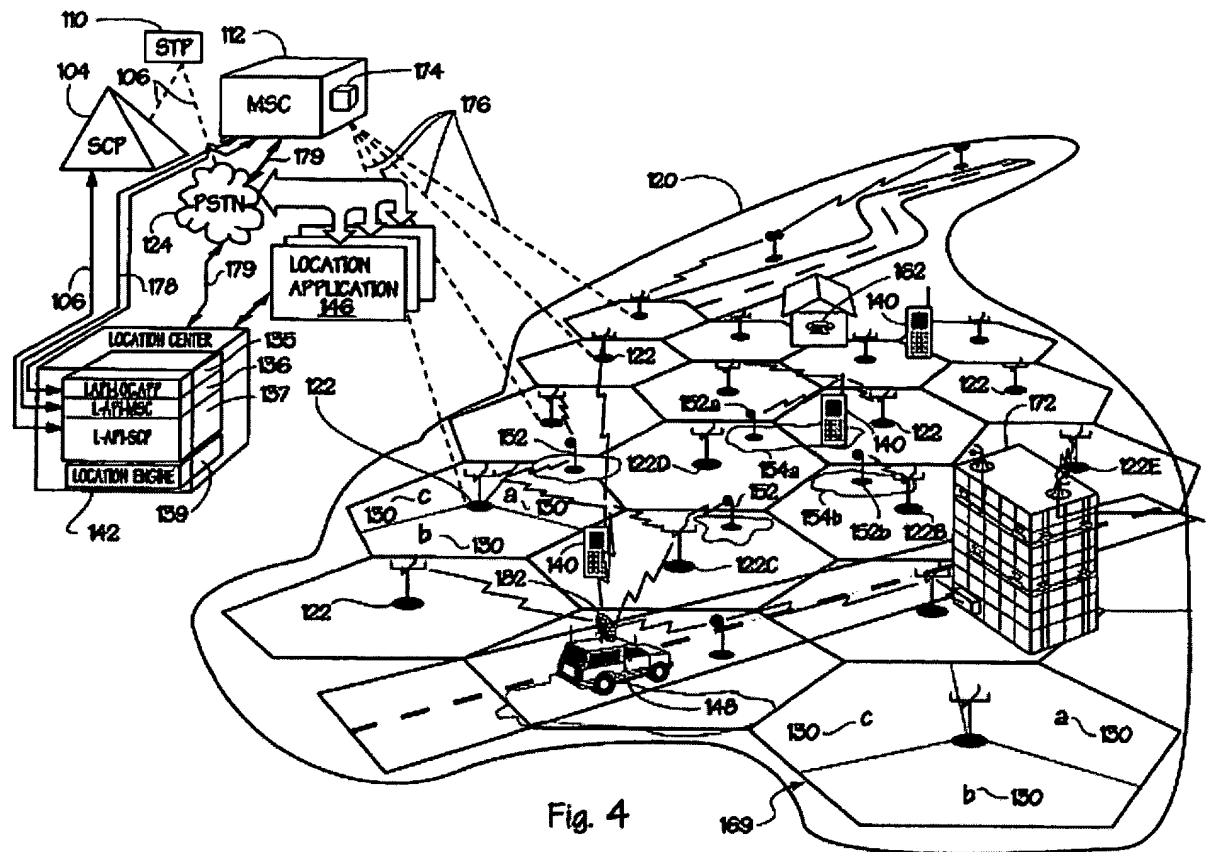
A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

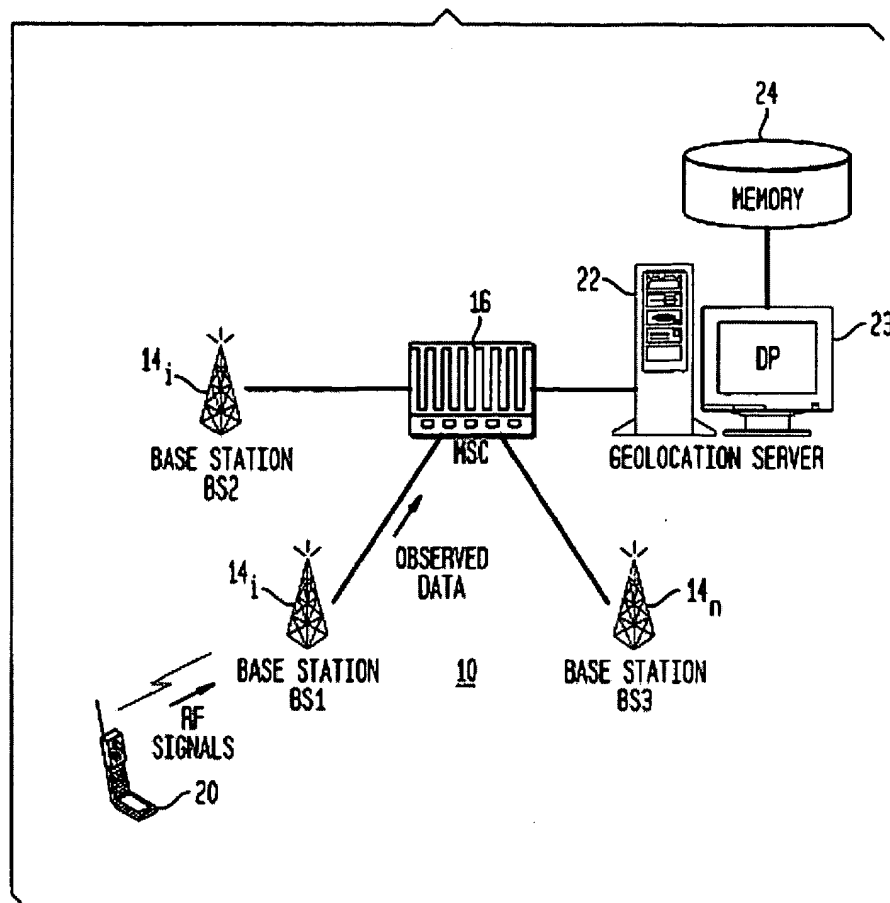
3. Claims 1-3 and 20 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by **Dupray**.

Note abstract and column 3, line 34 to column 16, line 43.



4. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by **Chang, et al.**

Please note abstract, figures 1-4B, the claims and column 2, line 25 to column 3, line 5.

FIG. 3**Double Patenting**

5. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

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6. A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).
7. Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).
8. Claims 1-11 and 20 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-21 of U.S. Patent No. **6,263,208**. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims are broader than the claims in the patent.

Response to Arguments

9. Applicant's arguments filed December 17, 2002 have been fully considered but they are not persuasive.

Anticipatory reference need not duplicate, word for word, what is in claims; anticipation can occur when claimed limitation is "*inherent*" or otherwise implicit in relevant reference (Standard Havens Products Incorporated v. Gencor Industries Incorporated, 21 USPQ2d 1321). During examination before the Patent and Trademark Office, claims must be given their broadest reasonable interpretation and limitations from the specification may not be imputed to the claims (Ex parte Akamatsu, 22 USPQ2d, 1918; In re Zletz, 13 USPQ2d 1320, In re Priest, 199 USPQ 11).

In response to Applicant's argument, the law of anticipation requires that a distinction be made between the invention described or taught and the invention claimed. It does not require that the reference *"teach"* what the subject patent teaches. Assuming that a reference is properly *"prior art,"* it is only necessary that the claims under consideration *"read on"* something disclosed in the reference, i.e., all limitations of the claim are found in the reference, or *"fully met"* by it. It was held in In re Donohue, 226 USPQ 619, that, *"It is well settled that prior art under 35 USC §102(b) must sufficiently describe the claimed invention to have placed the public in possession of it...Such possession is effected if one of ordinary skill in the art could have combine the description of the invention with his own knowledge to make the claimed invention."* Clear inference to the artisan must be considered, In re Preda, 159 USPQ 342. A prior art reference must be considered together with the knowledge of one of ordinary skill in the pertinent art, In re Samour, 197 USPQ 1. During patent examination, the pending claims must be *"given the broadest reasonable interpretation consistent with the specification."* Claim term is not limited to single embodiment disclosed in specification, since number of embodiments disclosed does not determine meaning of the claim term, and applicant cannot overcome *"heavy presumption"* that term takes on its ordinary meaning simply by pointing to preferred embodiment (Teleflex Inc. v. Ficosa North America Corp., CA FC, 6/21/02, 63 USPQ2d 1374).

Applicants always had the opportunity to amend the claims during prosecution and broad interpretation by the examiner reduces the possibility that the claim, once issued, will be interpreted more broadly than is justified. In re Prater, 415 F.2d 1393, 1404-05, 162 USPQ 541, 550-51 (CCPA1969).

"Arguments that the alleged anticipatory prior art is nonanalogous art' or teaches away from the invention' or is not recognized as solving the problem solved by the claimed invention, [are] not germane' to a rejection under section 102." Twin Disc, Inc. v. United States, 231 USPQ 417, 424 (Cl. Ct. 1986) (quoting In re Self, 671 F.2d 1344, 213 USPQ 1, 7 (CCPA 1982)). A reference is no less anticipatory if, after disclosing the invention, the reference then disparages it. The question whether a reference *"teaches away"* from the invention is inapplicable to an anticipation analysis. Celeritas Technologies Ltd. v. Rockwell International Corp., 150 F.3d 1354, 1361, 47 USPQ2d 1516, 1522-23 (Fed. Cir.1998).

Applicants state that the Durpay does not disclose receiving measured attribute information from a mobile location unit location and computing the probability of the mobile unit being a specific location in the area in response to the received attribute information using a likelihood probability function. The examiner disagrees since Dupray clearly states, *"The present invention relates to a method and system for performing wireless mobile station location. In particular, the present invention is a wireless mobile station location computing method and system that utilizes multiple wireless location computational estimators (these estimators also denoted herein as MS location hypothesizing*

*computational models, "first order models" and/or "location estimating models"), for providing a plurality of location estimates of a target mobile station, wherein ambiguities and/or conflicts between the location estimates may be effectively and straightforwardly resolved. More particularly, the present invention provides a technique for calibrating the performance of each of the location estimators so that a confidence value (e.g., a **probability**) can be assigned to each generated location estimate. Additionally, the present invention provides a straightforward technique for using the confidence values (**probabilities**) for deriving a resulting most likely location estimate of a target wireless mobile station.*

A step of determining a classification scheme for determining an input class for each input data set supplied to the plurality of computational models (FOMs), wherein for each range, R , of a plurality of ranges of desired results in the hypothesis space, there is an input class, and the input data sets of this input class are expected to have their corresponding desired result(s) in the range R . Some examples will be illustrative. For a wireless location system, the present step determines geographical subareas of a wireless network coverage area that have "similar" wireless signal characteristics. Such subareas may be relatively easy to determine, and there may be no constraint on the size of the subareas. The intention is to determine: (a) such a subarea as only a general area where a target MS must reside, and (b) the subarea should be relatively homogeneous in its wireless signaling characteristics. Accordingly, (a) and (b) are believed to be substantially satisfied by grouping together into the

same input class the wireless signal data sets (i.e., input data sets) from corresponding target MS locations wherein at each of the target MS locations: (i) the set of base stations detected by the target MS (at the location) is substantially the same, and/or (b) the set of base stations detecting the target MS is substantially the same set of base stations.

The declaration filed December 17, 2002 is ineffective since (1) an affidavit is needed and (2) the declaration is not signed.

The claims in the application are broader than the claims in the patent (In re Van Ornum and Stanz, 214 USPQ 761). Claims 1-11 and 20 are considered to be rejectable over the claimed disclosure of U.S. Patent No. **6,263,208**, on the basis of judicially-created non-statutory double patenting (In re Schneller, 158 USPQ 210). A perusal of the instant claims clearly indicates that the subject matter thereof is fully disclosed by the claims of U.S. Patent No. **6,263,208** and/or that portion of the U.S. Patent No. **6,263,208** disclosure which provides support for such claims (In re Vogel, 164 USPQ 619). Therefore, it is axiomatic that the instant claims are nothing more than obvious variations of the inventions disclosed and claimed in said U.S. Patent No. **6,263,208** and cannot properly issue in the absence of a terminal disclosure.

Furthermore, it is also clear the inventions could have included the instant claims in said U.S. Patent No. **6,263,208** and if the instant application were to issue without a terminal disclaimer protection of the previous inventions would improperly extended until the expiration of the instant claims since the utilization of such inventions would infringe the instant claims (In re Goodman, 29 USPQ2d 2010). "Two-way" test for obviousness-type double patenting rejection, in which the examiner examines each claim of application and issued patent to determine whether it is obvious variant of its counterpart rather than just examining application claim for patentable distinctiveness from patent claim, applies in situation in which second-filed application issues first due to unjustified delay by Patent and Trademark Office in prosecution of earlier filed application; "one-way" test for obviousness-type double patenting, in which the examiner looks only to see if pending application claims are patentably distinct from issued patent, applies where PTO action does not dictate rate of prosecution (*In re Emert*, 44 USPQ 2d 1149).

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

11. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

12. If applicants request an interview after this **final rejection**, prior to the interview, the intended purpose and content of the interview should be presented briefly, in writing.

Such an interview may be granted if the examiner is convinced that disposal or clarification for appeal may be accomplished with only nominal further consideration.

Interviews merely to **restate arguments** of record or to **discuss new limitations** which would require more than nominal reconsideration or new search will be denied.

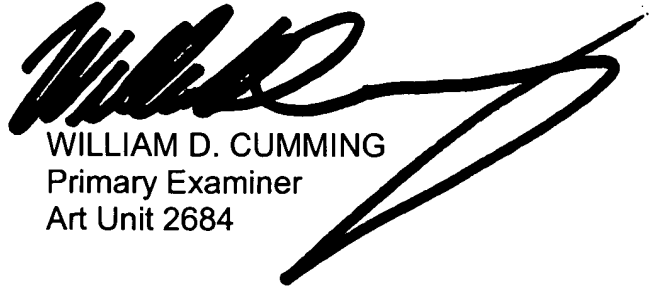
13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **WILLIAM D. CUMMING** whose telephone number is 703-305-4394. The examiner can normally be reached on Monday 12:30pm-8:00pm, Tuesday 12:30 to 8:30pm, Thursday and Friday 11:30am to 8:30pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **DAINIEL HUNTER** can be reached on 703-308-6732. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

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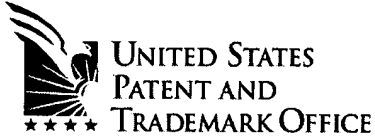
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14. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.



WILLIAM D. CUMMING
Primary Examiner
Art Unit 2684

wdc
February 13, 2003



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